

# Pond Sealing or Lining, Soil Dispersant

## PRACTICE INTRODUCTION

USDA, Natural Resources Conservation Service - practice code 521B



### DEFINITION

Pond sealing with a soil dispersant is applying and incorporating a chemical into the soil to reduce seepage to an acceptable level.

### PRACTICE INFORMATION

This practice is used to improve the functionality of a pond, and prevent damage to the natural resources including unacceptable loss of water from seepage.

Treating pond bottoms with a soil dispersant is a relatively inexpensive method of reducing seepage. The chemical is applied

over the entire area to be sealed, the material is then incorporated to a specified depth and then compacted as the final operation. The chemical deflocculates the soil by breaking the natural chemical bonds between soil particles.

Ponds to be lined may include Irrigation Storage Reservoirs, Irrigation Pits, Waste Treatment Lagoons, Waste Treatment Ponds, and Ponds For Livestock/Wildlife.

Additional information including design criteria and specifications are in the local NRCS Field Office Technical Guide.